SANYO
by Panasonic

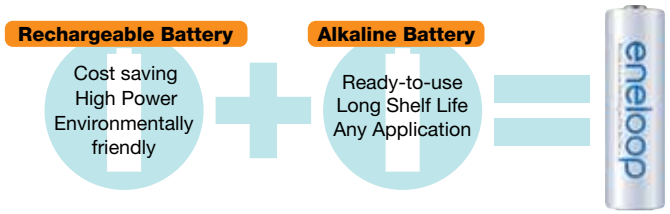
CONSUMER BATTERIES ISSUE 2012 / 2013

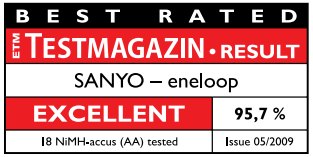
1 :

1800

WHY ENELOOP?

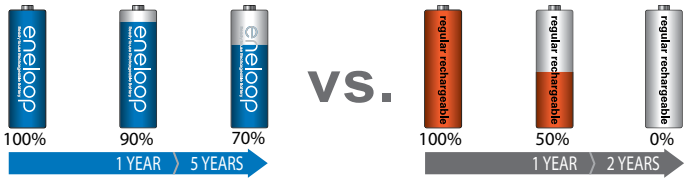
eneloop combines the advantages of rechargeable and alkaline batteries.





*ETM Testmagazin Result achieved with eneloop HR-3UTG.

eneloop impresses with extended service life.



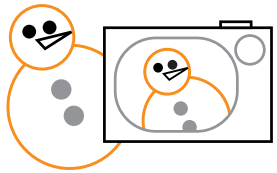
* Compared to regular rechargeable batteries with full initial charge. Storage at 20˚C ambient temperature (Discharge: 740mA <E.V.=1.0V>)

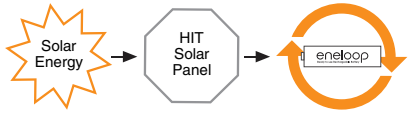
Take up to four times as many pictures with your digital camera using eneloop.

* Compared to SANYO alkaline batteries (LR6). Tested digital camera: SANYO DSC-S4. 1 shot every 20 seconds, 1 flash every 3 shots. LCD stays ON; at room temperature. Number of shots may differ, given the application and conditions.

eneloop is suitable for temperatures as low as -20˚C.

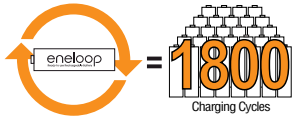
*The operation time can be shorter than at room temperature. Depending on the application and current output.





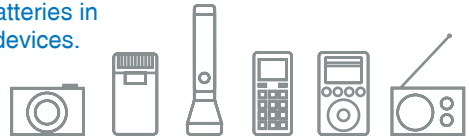
eneloop is pre-charged by solar energy.

*Through the Green Power Certification System in Japan, eneloop is pre-charged by "green power" from photovoltaic generation.



eneloop - combining cost efficiency and environmental compatibility.

eneloop replaces disposable batteries in almost all of your household devices.



*1 All statements in the catalogue concerning the remaining capacity of eneloop lite are based on storing a fully charged battery at room temperature for 3 years. All statements in the catalogue concerning the remaining capacity of eneloop are based on storing a fully charged battery at room temperature for 1 year. Discharge current eneloop HR-3UTG&B: 740mA, eneloop HR-4UTG: 1480mA, eneloop HR-3UWX: 2220mA, eneloop HR-4UWX: 2960mA, cell discharge cut voltage 1.0V.
*2 All statements regarding the remaining capacity of XX powered by eneloop are based on storing a fully charged battery at room temperature for 1 year. (Discharge current HR-3UWXA: 740 mA/ cell discharge cut voltage 1.0V).
All statements concerning the capacity (mAh) are based on IEC61951-2(7.2.1).

eneloop

HR-3UTGB-8BP

Order Number: F734S1197

Size: AA (R6)
Min. Capacity 1900 mAh
8 batteries per piece
EAN-code: 49-94334-29091-5

Packaging Unit:
ICA: 4 pcs, CAR: 64 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 14.0 kg

HR-3UTGB-4BP

Order Number: F734S1194

Size: AA (R6)
Min. Capacity 1900 mAh
4 batteries per piece
EAN-code: 49-94334-29088-5

Packaging Unit:
ICA: 10 pcs, CAR: 120 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 16.1 kg

HR-3UTGB-2BP

Order Number: F734S1193

Size: AA (R6)
Min. Capacity 1900 mAh
2 batteries per piece
EAN-code: 49-94334-29115-8

Packaging Unit:
ICA: 8 pcs, CAR: 216 pcs

Dimensions CAR:
380(L) x 288(W) x 270(H) mm
Gross weight: 14.4 kg

HR-4UTGB-4BP

Order Number: F734S1196

Size: AAA (R03)
Min. Capacity 750 mAh
4 batteries per piece
EAN-code: 49-94334-29090-8

Packaging Unit:
ICA: 12 pcs, CAR: 144 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 6.2 kg

HR-4UTGB-2BP

Order Number: F734S1195

Size: AAA (R03)
Min. Capacity 750 mAh
2 batteries per piece
EAN-code: 49-94334-29089-2

Packaging Unit:
ICA: 10 pcs, CAR: 270 pcs

Dimensions CAR:
380(L) x 288(W) x 270(H) mm
Gross weight: 9.2 kg

HR-3UTGB-4UTGB-8BP

Order Number: F734S1185

Size: AA (R6) & AAA (R03)
Min. Capacity 1900 & 750 mAh
8 batteries per piece
EAN-code: 49-94334-29040-3

Packaging Unit:
ICA: 10 pcs, CAR: 80 pcs

Dimensions CAR:
361(L) x 390(W) x 149(H) mm

HR-3UTGB-4BP-CASE

Order Number: F734S1200

Size: AA (R6)
Min. Capacity 1900 mAh
4 batteries & 1 case per piece
EAN-code: 49-94334-29094-6

Packaging Unit:
ICA: 8 pcs, CAR: 96 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 12.3 kg

HR-4UTGB-5BP-CASE

Order Number: F734S1201

Size: AAA (R03)
Min. Capacity 750 mAh
5 batteries & 1 case per piece
EAN-code: 49-94334-29095-3

Packaging Unit:
ICA: 8 pcs, CAR: 96 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 16.1 kg

ENELOOP-CASE-BP

Order Number: F734S1189

Size: For AA (R6) & AAA (R03)

1 case per piece
EAN-code: 49-94334-29079-3

Packaging Unit:
ICA: 8 pcs, CAR: 96 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm

AD-C-2BP ENELOOP

Order Number: F734S1152

Size: C (R14)
2 adaptors per piece
EAN-code: 49-94334-28179-1

Packaging Unit:
ICA: 4 pcs
CAR: 64 pcs

Dimensions CAR:
250(L) x 320(W) x 195(H) mm
Gross weight: 1.8 kg

AD-D-2BP ENELOOP

Order Number: F734S1153

Size: D (R20)
2 adaptors per piece
EAN-code: 49-94334-28180-7

Packaging Unit:
ICA: 4 pcs
CAR: 48 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 2.1 kg

HR-3UWXA-4BP

Order Number: F734S1187
Size: AA (R6)
Min. Capacity 2400 mAh
4 batteries per piece
EAN-code: 49-94334-29061-8

Packaging Unit:
ICA: 10 pcs, CAR: 120 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 16.0 kg

eneloop lite

HR-3UQ-2BP

Order Number: F734S1155
Size: AA (R6)
Min. Capacity 900 mAh
2 batteries per piece
EAN-code: 49-94334-28254-5

Packaging Unit:
ICA: 8 pcs, CAR: 216 pcs

Dimensions CAR:
380(L) x 288(W) x 270(H) mm
Gross weight: 6.3 kg

HR-3UQ-3BP

Order Number: F734S1176
Size: AA (R6)
Min. Capacity: 900 mAh
3 batteries per piece
EAN-code: 49-94334-28907-0

Packaging Unit:
ICA: 8 pcs, CAR: 216 pcs

Dimensions CAR:
380(L) x 288(W) x 270(H) mm

HR-4UQ-2BP

Order Number: F734S1156
Size: AAA (R03)
Min. Capacity 550 mAh
2 batteries per piece
EAN-code: 49-94334-28255-2

Packaging Unit:
ICA: 10 pcs, CAR: 270 pcs

Dimensions CAR:
380(L) x 288(W) x 270(H) mm
Gross weight: 7.0 kg

HR-4UQ-4BP

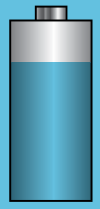
Order Number: F734S1078
Size: AAA (R03)
Min. Capacity: 550 mAh
4 batteries per piece
EAN-code: 49-94334-28824-0

Packaging Unit:
ICA: 12 pcs, CAR: 144 pcs

Dimensions CAR:
250(L) x 320(W) x 175(H) mm
Gross weight: 3.8 kg

Ideal for cordless phones

After 3 Years
75%
Remaining Capacity



COMPARISON DIFFERENT ENELOOP MODELS

Product Name	eneloop		eneloop XX	eneloop lite	
Technology	Ni-MH rechargeable battery		Ni-MH rechargeable battery	Ni-MH rechargeable battery	
Applications	all-purpose		medium-to-high power consumption devices	low-to-medium power consumption devices	
Charging / Discharging Cycles	up to 1800		up to 500	up to 2000	
Self-discharge	approx. 70% capacity after 5 years		approx. 75% capacity after 1 year	approx. 75% capacity after 3 years	
Size	AA (mignon)	AAA (micro)	AA (mignon)	AA (mignon)	AAA (micro)
Model Name	HR-3UTGB	HR-4UTGB	HR-3UWXA	HR-3UQ	HR-4UQ
Voltage	1.2 V	1.2 V	1.2 V	1.2 V	1.2 V
Typ. Capacity	2000 mAh	800 mAh	2500 mAh	1000 mAh	600 mAh
Min. Capacity	1900 mAh	750 mAh	2400 mAh	900 mAh	550 mAh

ENELOOP CHARGERS

TGU01

TGU01-E

Order Number: 165201769
Charger without batteries
EAN-code: 49-94334-26624-8

Packaging Unit:
CAR: 10 pcs

Dimensions CAR:
630 x 410 x 220 (mm)
Gross weight: 12.2 kg

MQR06

MQR06-E-4-3UTGB

Order Number: F734S1217
Charger + 4 x HR-3UTGB
EAN-code: 49-94334-29112-7

Packaging Unit:
CAR: 8 pcs

Dimensions CAR:
370 x 295 x 155 (mm)
Gross weight: 1.8 kg

MQR06-E-4-4UTGB

Order Number: F734S1218
Charger + 4 x HR-4UTGB
EAN-code: 49-94334-29113-4

Packaging Unit:
CAR: 8 pcs

Dimensions CAR:
370 x 295 x 155 (mm)
Gross weight: 1.8 kg

MQR06-E-4-3UWXA

Order Number: F734S1188
Charger + 4 x HR-3UWXA
EAN-code: 49-94334-29062-5

Packaging Unit:
CAR: 8 pcs

Dimensions CAR:
370 x 295 x 155 (mm)
Gross weight: 1.8 kg

MQN09

MQN09-E-4-3UTGB

Order Number: F734S1215
Charger + 4 x HR-3UTGB
EAN-code: 49-94334-29110-3

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
400 x 335 x 160 (mm)
Gross weight: 3.0 kg

MQN09-E-4-4UTGB

Order Number: F734S1216
Charger + 4 x HR-4UTGB
EAN-code: 49-94334-29111-0

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
400 x 335 x 160 (mm)
Gross weight: 2.2 kg

MDR02

MDR02-E-2-3UTGB

Order Number: F734S1209
Charger + 2 x HR-3UTGB
EAN-code: 49-94334-29104-2

Packaging Unit: CAR: 12 pcs

Dimensions CAR:
443 x 333 x 182 mm
Gross weight (EU): 3.6 kg
Also available with UK plug*.
*(Order Number: F734S1112)

MDR02-E-2-4UTGB

Order Number: F734S1210
Charger + 2 x HR-4UTGB
EAN-code: 49-94334-29105-9

Packaging Unit: CAR: 12 pcs

Dimensions CAR:
443 x 333 x 182 mm
Gross weight (EU): 3.5 kg
Also available with UK plug*.
*(Order Number: F734S1212)

ENELOOP CHARGERS

MQN04

MQN04-E-4-3UTGB

Order Number: F734S1220
Charger + 4 x HR-3UTGB
EAN-code: 49-94334-29098-4

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
517 x 375 x 135 (mm)
Gross weight (EU): 4.0 kg
Also available with UK plug*.
*(Order Number: F734S1221)

MQN04-E-2-3UTGB

Order Number: F734S1204
Charger + 2 x HR-3UTGB
EAN-code: 49-94334-29100-4

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
517 x 375 x 135 (mm)
Gross weight (EU): 3.8 kg
Also available with UK plug*.
*(Order Number: F734S1207)

MQN04-E-2-4UTGB

Order Number: F734S1203
Charger + 2 x HR-4UTGB
EAN-code: 49-94334-29099-1

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
517 x 375 x 135 (mm)
Gross weight (EU): 3.5 kg
Also available with UK plug*.
*(Order Number: F734S1206)

MQN04-E-4-4UTGB

Order Number: F734S1205
Charger + 4 x HR-4UTGB
EAN-code: 49-94334-29087-8

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
517 x 375 x 135 (mm)
Gross weight (EU): 3.7 kg
Also available with UK plug*.
*(Order Number: F734S1208)

MQN04-E

Order Number: F734S1219
Charger only
EAN-code: 49-94334-29097-7

Packaging Unit: CAR: 8 pcs

Dimensions CAR:
517 x 375 x 135 (mm)
Gross weight (EU): 3.18 kg

MDU01

MDU01-E-2-3UTGB

Order Number: F734S1213
USB travel charger
+ 2 x HR-3UTGB
EAN-code: 49-94334-29108-0

Packaging Unit:
CAR: 36 pcs

Dimensions CAR:
443 x 333 x 182 (mm)
Gross weight: 5.4 kg

MDU01-E-2-4UTGB

Order Number: F734S1214
USB travel charger
+ 2 x HR-4UTGB
EAN-code: 49-94334-29109-7

Packaging Unit:
CAR: 36 pcs

Dimensions CAR:
443 x 333 x 182 (mm)
Gross weight: 4.3 kg

POWER PACK

eneloop power pack

1 x MDR02 charger
4 x HR-3UTGB AA eneloop batteries
2 x HR-4UTGB AAA eneloop batteries
2 x D size adaptors
2 x C size adaptors

Packaging Unit:
CAR: 7 pcs

Dimensions CAR:
250(L) x 320(W) x 195(H) mm
Gross weight: 4.8 kg

COMPARISON DIFFERENT CHARGER MODELS

eneloop				
		TGU01	MQR06	MQN09
		Ni-MH Universal Charger	Ni-MH charger with individual cell charging control	Ni-MH Charger with -deltaV
Type of Charger		Premium Charger	Premium Charger	Advanced Charger
Features	Special Features	Universal charger which can charge rechargeable batteries of size AA, AAA, C and D. Inclusive of microprocessor controlled overcharge. All 8 charging slots get controlled seperately.	Quick charger for the demanding user. With individual cell charging control, 100% full charge detection and microprocessor controlled overcharge. Includes Asian and American plug for travelling.	Overnight charger with -deltaV charging control and microprocessor controlled overcharge. Blue LED illumination while charging. Includes Asian and American plug for travelling.
Charging Control	Individual Cell Charging Control	yes	yes	-
	Peak-Voltage-Detection	yes	yes	-
	-deltaV Charging Control	-	-	yes
	Timer Control	yes	yes	yes
	Temperature Control/Protection	yes	yes	yes
	Dry Cell Charge Protection	yes	yes	yes
Technical Data	Charging Possibilities	1-4 rechargeable batteries C/D, 1-8 AA/AAA	1,2,3 or 4 rechargeable batteries AA/AAA	2 or 4 rechargeable batteries AA/AAA
	Universal Voltage Power Supply	yes	yes	yes
	Input	Adaptor: AC 100-240V ~, 50-60Hz, 0.4A Charger: 5.5V DC, 3A	AC 100-240V ~, 50-60Hz, 7W	AC 100-240V ~, 50-60Hz, 4W
	Output	DC 1.2V: 4 x C/D: 784mA	DC 1.2V: 4 x AA: 560mA, 2 x AA: 1120mA, 1 x AA: 1680mA	DC 2.4V: 2 x AA: 300mA
		DC 1.2V: 4 x AA/AAA: 560mA, 8 x AA/AAA: 280mA	DC 1.2V: 4 x AAA: 280mA, 2 x AA: 560mA, 1 x AAA: 840mA	DC 2.4V: 2 x AAA: 150mA
	Approximate charging time for eneloop AA (Typ. 2000 mAh), AAA (Typ. 800 mAh)	Per charging slot: 1 x AA: 240 min., 2 x AA: 480 min., 1 x AAA: 90 min., 2 x AAA: 180 min.	1 x AA: 75 min., 2 x AA: 110 min., 4 x AA: 220 min.	2 or 4 x AA: 450 min.
		1 x C: 270 min., 1 x D: 510 min.	1 x AAA: 65 min., 2 x AAA: 100 min., 4 x AAA: 200 min.	2 or 4 x AAA: 360 min.
	Charge Indicator	8 LEDs	4 LEDs	2 LEDs
	Size	188 (W) x 170 (L) x 51 (H) mm (without adaptor)	68 (W) x 112 (L) x 64 (H) mm	132 (W) x 78 (L) x 37 (H) mm
	Weight	approx. 480 g (without adaptor)	approx. 116 g	approx. 130 g

eneloop

		MDR02	MDU01	MQN04
		Ni-MH Quick Charger	Ni-MH USB-Charger	Ni-MH Overnight-Charger
Type of Charger		Advanced Charger	Advanced Charger	Classic Charger
Features	Special Features	Ideal for travelling: small, light, universal voltage power supply. With microprocessor controlled overcharge.	Charge your rechargeable batteries via the USB-plug of your computer. With microprocessor controlled overcharge.	This classical charger stops charging after 16 hours automatically.
Charging Control	Individual Cell Charging Control	yes	yes	-
	Peak-Voltage-Detection	yes	yes	-
	-deltaV Charging Control	-	-	-
	Timer Control	yes	yes	yes
	Temperature Control/Protection	yes	yes	yes
	Dry Cell Charge Protection	yes	yes	yes
Technical Data	Charging Possibilities	1 or 2 rechargeable batteries AA/AAA	1 or 2 rechargeable batteries AA/AAA	2 or 4 rechargeable batteries AA/AAA
	Universal Voltage Power Supply	yes	Charging via USB	-
	Input	AC 100-240V ~, 50-60Hz, 0.08A MAX	DC 5V 0.5A (MAX)	AC 230V ~, 50Hz, 5W
	Output	DC 1.2V: 2 x AA: 550mA	DC 1.2V: 1 x AA/AAA: 850mA	DC 2.4V: 2 x AA: 250mA
		DC 1.2V: 2 x AAA: 380mA	DC 1.2V: 2 x AA/AAA: 450mA	DC 2.4V: 2 x AAA: 120mA
	Approximate charging time for eneloop AA (Typ. 2000 mAh), AAA (Typ. 800 mAh)	2 x AA: 230 min.	1 x AA: 140 min., 2 x AA: 280 min.	2 or 4 x AA: 600 min.
		2 x AAA: 135 min.	1 x AAA: 60 min., 2 x AAA: 120 min.	2 or 4 x AAA: 480 min.
	Charge Indicator	LED	LED	2 LEDs
	Size	70.5 (W) x 74.5 (L) x 27.5 (H) mm	47 (W) x 93 (L) x 17.5 (H) mm	75 (W) x 118 (L) x 79 (H) mm
	Weight	approx. 76 g	approx. 48 g	approx. 230 g

MOBILE BOOSTERS

eneloop mobile booster

Back-up power for portable electronic devices (via USB-connector)

Charges USB compatible mobile phones and electronic devices

Use it on the go, anytime, anywhere.

KBC-L2B

Order Number: 165202389 eneloop mobile booster with 2 Lithium-Ion batteries inside
EAN-code: 49-94334-28589-8

Packaging Unit: CAR: 20 pcs

Dimensions CAR:
385(L) x 365(W) x 130(H) mm
Gross weight: 6.5 kg

Features:
- particularly powerful
- 2 Lithium-Ion batteries
- gets charged via USB-connector or AC-connector
- inclusive Micro-USB adapter, Mini-USB-cable and AC adapter
- 2 x USB terminal
- Output of 2 x 500mA or 1 x 1A
- Indicator light shows capacity level
- AC connector reduces charging time: 14 -> 7h
- Compatible with iPad 1& 2, iPhone (3G, 3GS, 4, 4S)

KBC-L3A

Order Number: 165202320 eneloop mobile booster with 1 Lithium-Ion battery inside
EAN-code: 49-94334-28689-5

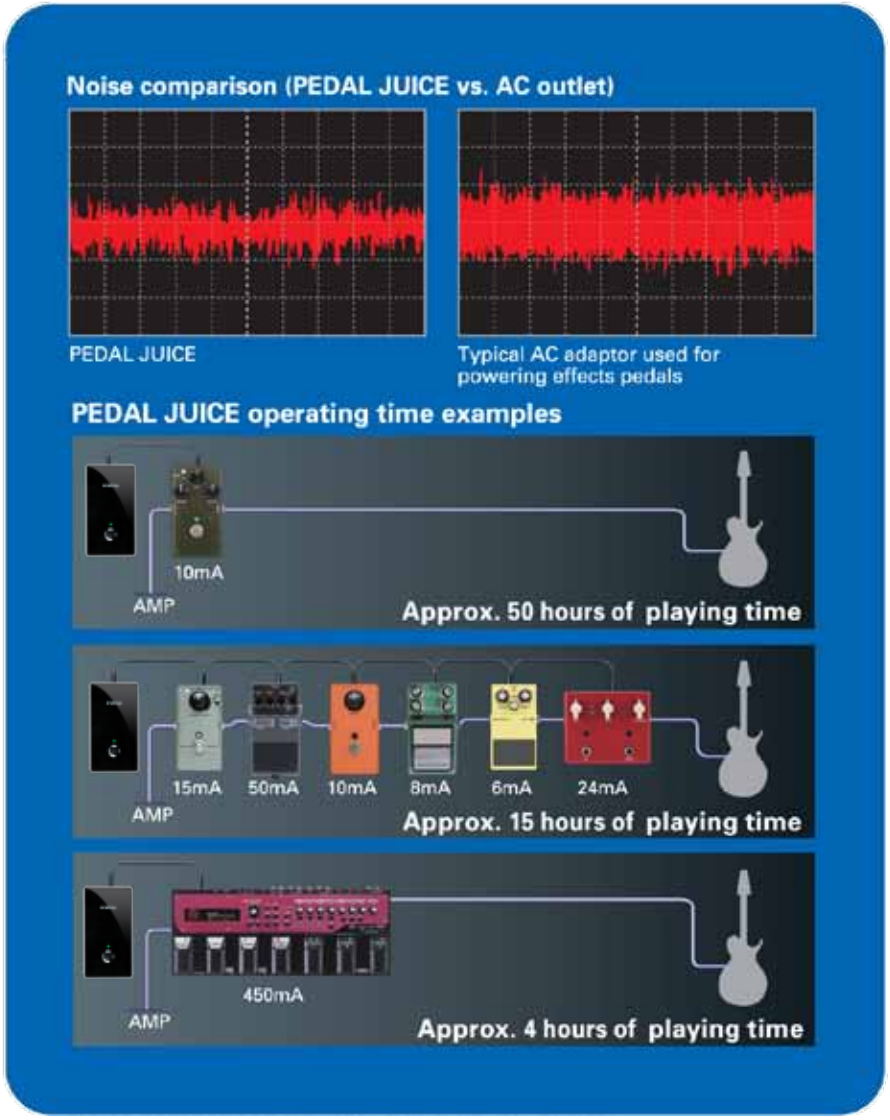
Packaging Unit: CAR: 20 pcs

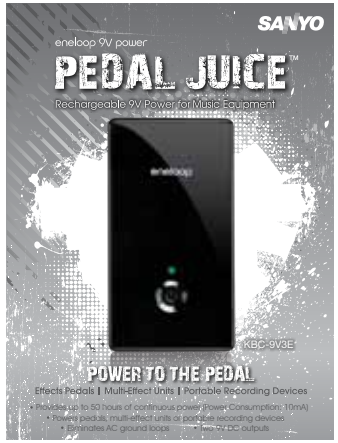
Dimensions CAR:
264(L) x 230(W) x 171(H) mm
Gross weight: 3.1 kg

Features:
- high capacity
- 1 Lithium-Ion battery
- gets charged via USB-connector
- inclusive Mini-USB-cable
- 1 x USB terminal
- Output: 500mA
- Indicator light shows capacity level
- Compatible with iPhone (3G, 3GS, 4, 4S)

PEDAL JUICE

Rechargeable 9V Power for Music Equipment





KBC-9V3E PEDAL JUICE

Order Number: 165202486
Rechargeable 9V Power for Music Equipment
EAN-code: 49-94334-286-017

Packaging Unit:
CAR: 12 pcs

Dimensions CAR:
360(L) x 330(W) x 255(H) mm

Gross Weight: 10.1 kg

Features:

- Clean, stable power for great sound over extended periods
- No ground loops to spoil your tone
- Powers multiple devices like pedals, multi-effects and portable recorders from dual 9V DC outputs
- Compact footprint like a standard effect pedal
- 1 ON/OFF button eliminates pluging in/out
- 3-stage power status LED indicator
- Water-resistant
- Rechargeable hundreds of times, saving money and helping the environment
- Just 3.5 hours to fully recharge using AC adaptor

NICKEL METAL HYDRIDE

HR-3U-2700-4BP

Order Number: F734S1180
Size AA (R6)
4 batteries per piece
EAN-code: 49-94334-29035-9

Packaging Unit:
ICA: 10 pcs, CAR: 120 pcs

Dimensions CAR:
320(L) x 250(W) x 175(H) mm
Gross weight: 15.9 kg

HR-3U-2700-2BP

Order Number: F734S1179
Size AA (R6)
2 batteries per piece
EAN-code: 49-94334-29034-2

Packaging Unit:
ICA: 8 pcs, CAR: 216 pcs

Dimensions CAR:
380(L) x 295(W) x 265(H) mm
Gross weight: 16.2 kg

HR-3U-2500-4BP

Order Number: F734S1183
Size AA (R6)
4 batteries per piece
EAN-code: 49-94334-29038-0

Packaging Unit:
ICA: 10 pcs, CAR: 120 pcs

Dimensions CAR:
320(L) x 250(W) x 175(H) mm
Gross weight: 15.9 kg

HR-3U-2500-2BP

Order Number: F734S1182
Size AA (R6)
2 batteries per piece
EAN-code: 49-94334-29037-3

Packaging Unit:
ICA: 8 pcs, CAR: 216 pcs

Dimensions CAR:
380(L) x 295(W) x 265(H) mm
Gross weight: 16.2 kg

HR-4U-1000-2BP

Order Number: F734S1181
Size AAA (R03)
2 batteries per piece
EAN-code: 49-94334-29036-6

Packaging Unit:
ICA: 10 pcs, CAR: 270 pcs

Dimensions CAR:
380(L) x 295(W) x 265(H) mm
Gross weight: 10.6 kg

MQN04-E-4-2700

Order Number: F16431221
Plug and play charger
+ 4 x HR-3U 2700 mAh
EAN-code: 49-94334-23099-7

Packaging Unit:
CAR: 8 pcs

Dimensions CAR:
517(L) x 375(W) x 135(H) mm
Gross weight: 3.3 kg

MQN04-E-4-2500

Order Number: F16431220
Plug and play charger
+ 4 x HR-3U 2500 mAh
EAN-code: 49-94334-23100-0

Packaging Unit:
CAR: 8 pcs

Dimensions CAR:
517(L) x 375(W) x 135(H) mm
Gross weight: 3.3 kg

DISPLAYS

eneloop metal floor display

Order Number: PM2300050
Size: 50(L) x 50(W) x 190(H) cm

Packaging Unit:
1 pc

Dimensions CAR:
50(L) x 55(W) x 105(H) cm
Gross weight: 18.0 kg

eneloop plastic counter display

Order Number: PM2300051
Size: 44(L) x 18(W) x 52(H) cm

Packaging Unit:
1 pc

Dimensions CAR:
45(L) x 21(W) x 54(H) cm
Gross weight: 1.7 kg

Sanyo plastic counter display

Order Number: PM2300052
Size: 44(L) x 18(W) x 52(H) cm

Packaging Unit:
1 pc

Dimensions CAR:
45(L) x 21(W) x 54(H) cm
Gross weight: 1.7 kg

For more details please call your local dealer

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